

engineering specification

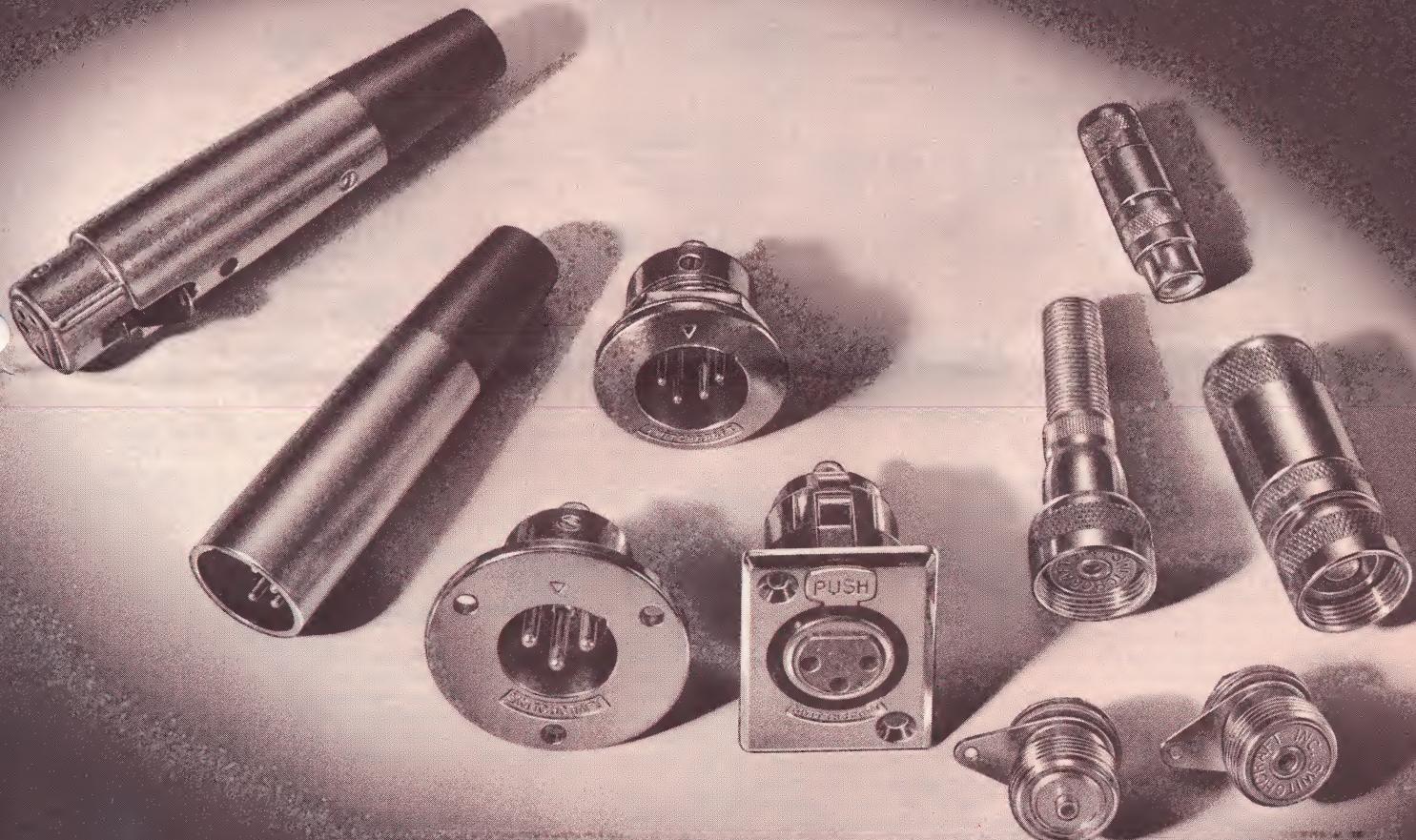
CATALOG NO. C-502a

audio connectors

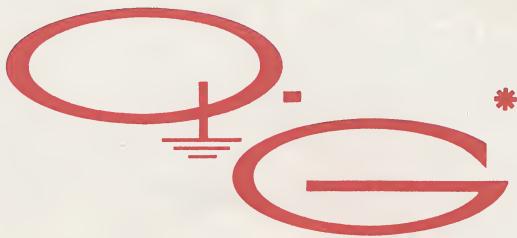
"Q-G" Audio Connectors	Pages 2, 3, 4
Cross Reference and Mating Chart	Page 5
Microphone Connectors	Pages 6, 7
"Mini-Con" Connectors	Page 7
"Slim-Line" Connectors	Page 8
Phono Plugs and Jax.	Pages 8, 9
"4-Leaf Clover" Phono Jax.	Page 10
RF Phono Jax and Plugs	Page 10
Y Connectors, AC Receptacles	Page 11

available at all leading Electronic & Radio Parts Distributors

SWITCHCRAFT
INC.



for details contact:



AUDIO CONNECTORS

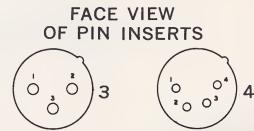
Patent No.
3,219,961

EXCLUSIVE SWITCHCRAFT FEATURES:

GROUNDING AND SHIELDING: In certain applications grounding of the connector shell or shielding is desirable. For these instances, Switchcraft's "Q-G" connectors provide a firm and constant ground contact between mating connector shells through the use of an exclusive "Ground Terminal" and "Ground Contactors". An insert mounting screw provides electrical continuity between the "Ground Terminals", "Ground Contactors", and the connector housing when tightened against the connector shell. In a typical application the exclusive grounding and/or shielding provisions would operate this way: Upon engagement with the mating connector or receptacle the ground circuit is automatically engaged through Switchcraft's "Ground Contactor" to the mating shell.



INSERT ASSEMBLIES



INSERT ARRANGEMENTS

Any circuit contact can be readily grounded to the shell by "jumping" the selected contact to the "Ground Terminal". Contact No. 1 engages before No. 2 and No. 3 and No. 4. Therefore, you receive No. 4 and No. 5 contact versatility in the 3 and 4 contact Switchcraft connectors—plus—use of the exclusive shell "ground" provisions.

DESIGN FEATURES:

STYLE: Fresh, streamlined design to enhance the appearance of the most modern equipment.

CONSTRUCTION: Rugged die-cast zinc, satin nickel finish.

INSERT INSULATION: A new exclusive high impact thermo-setting plastic provides high dielectric strength.

LATCHLOCK: Molded of high strength plastic for exceptional long life and maximum punishment.

DAUL PRESSURE PLATES: Provide a secure cable lock and strain relief for all standard size cables.

CABLE ENTRIES: Neoprene cable strain relief bushing is keyed to shell and ribbed for easy entry.

WIRING: Larger, uniquely designed soldering cups make wiring easier and faster.

POLARIZATION: Connectors are so designed that it is virtually impossible to mate them incorrectly. Polarization is accomplished through contact arrangement and polarizing boss and groove.

MATING: Mates with other connectors with similar insert arrangements and identical number of contacts. (See mating chart and cross reference guide, Page 5.)

MATERIAL SPECIFICATIONS:

SHELL: Die-cast zinc, satin nickel finish.

INSERT INSULATION: High impact thermosetting plastic.

SOCKET CONTACTS: Phosphor bronze, silver plated, chromate dipped.

PIN CONTACTS: Brass, silver plated, chromate dipped. Resists tarnishing and provides excellent electrical conductivity.

LATCHLOCK: High strength molded plastic.

CABLE RELIEF BUSHING: Neoprene.

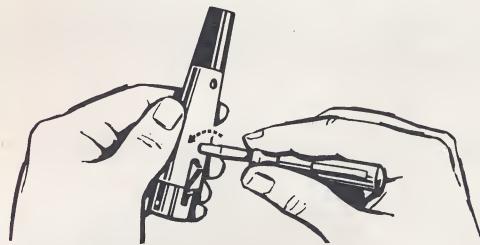
MOUNTING NUT AND WASHER: Brass, nickel plated.

LATCH RELEASE: Steel, nickel plated.

MOUNTING WALL PLATES: Cold rolled steel with brass and/or stainless steel finish.

Switchcraft "Quick-Ground"** 3 and 4 contact quality audio connectors with exclusive "Ground Terminal" and "Ground Contactors" are available in a wide range of plugs and receptacles—at competitive prices! These connectors have been field proven in a wide variety of critical applications, such as: microphones, test equipment, instrumentation, computers, cameras, tape recorders, stereo and hi-fi equipment and many others.

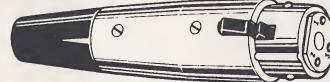
"Captive Design" Insert Screws:



The "Captive Design" insert screw engages as any conventional screw, except it is lefthand threaded. To disassemble the connector for cable installation, the insert screw is turned counterclockwise down into the insert assembly (see illustration above).

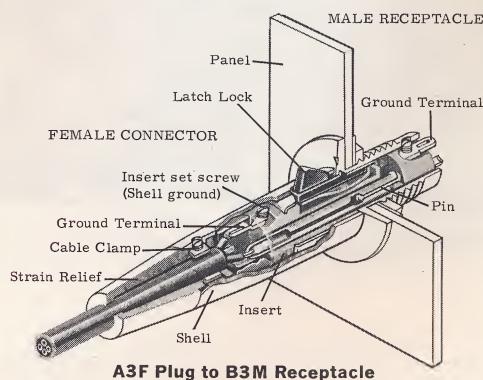


The insert assembly is now readily removed from the shell. Note "Ground Terminal" area—large soldering cups make cable installation fast and easy. Unitized one-piece insert construction eliminates possible loss of latchlock and spring. (See illustration above)



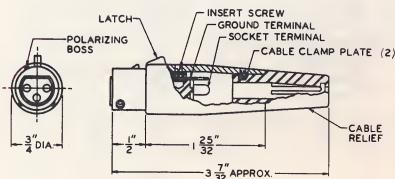
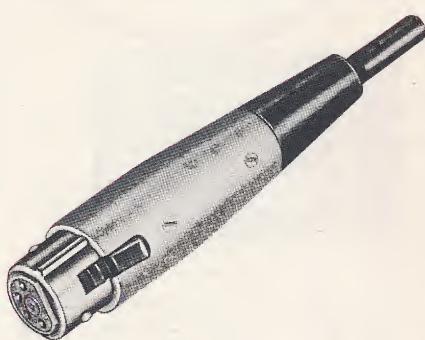
To reassemble, just slip insert assembly into shell, align insert screw head under hole in shell and secure insert by clockwise rotation of insert screw. This "wedges" the insert assembly against the interior of the connector shell providing a rigid connector assembly and positive electrical continuity between "Ground Terminal" and connector shell. (See illustration)

SECTIONALIZED VIEW





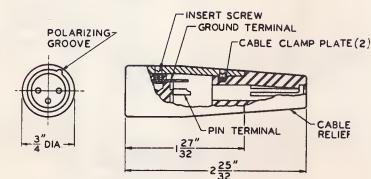
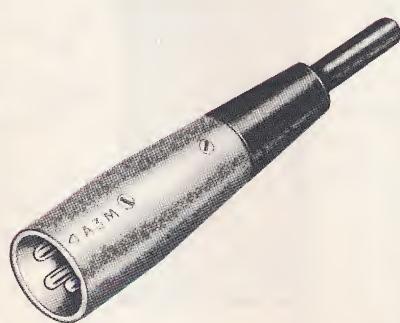
A(*)F CORD PLUG



Straight female cord plug.

Part No.	U.S.A. List Price	Insert Contacts
A3F	\$2.30	3
A4F	2.85	4

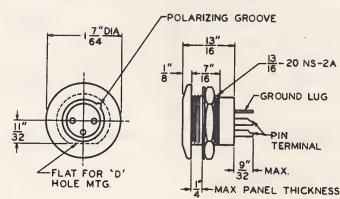
A(*)M CORD PLUG



Straight male cord plug.

Part No.	U.S.A. List Price	Insert Pins
A3M	\$2.00	3
A4M	2.10	4

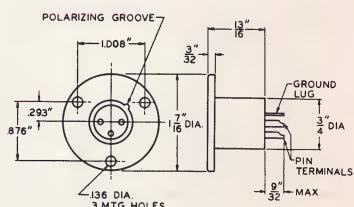
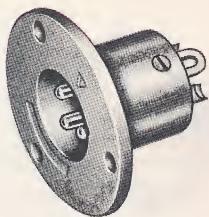
B(*)M RECEPTACLE



Panel mounting, locknut accommodates panels up to $\frac{1}{4}$ " thick. Single hole mounting can be keyed to "D" shaped panel hole or S-3519 mounting adapter.

Part No.	U.S.A. List Price	Insert Pins
B3M	\$2.90	3
B4M	3.00	4

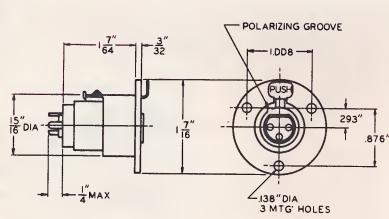
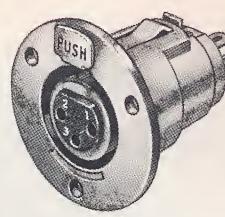
C(*)M RECEPTACLE



For panel or chassis mounting. Flange has three $.136"$ holes for mounting screws. Mounts in $\frac{9}{64}$ " dia. hole.

Part No.	U.S.A. List Price	Insert Pins
C3M	\$1.40	3
C4M	1.50	4

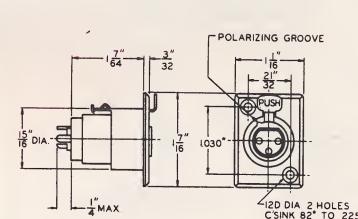
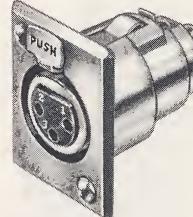
C(*)F RECEPTACLE



For panel or chassis mounting. Flange has three $.138"$ holes for mounting screws. Mounts in $\frac{6}{64}$ " dia. hole.

Part No.	U.S.A. List Price	Insert Contacts
C3F	\$3.10	3
C4F	3.20	4

D(*)F RECEPTACLE

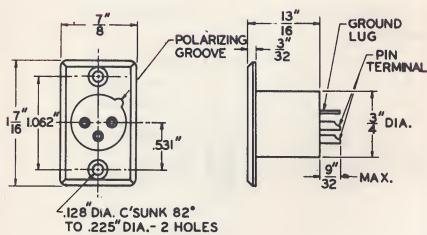
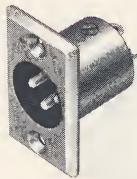


For panel or chassis mounting. Flange has two $.120"$ dia. holes for mounting. Mounts in $\frac{6}{64}$ " dia. hole.

Part No.	U.S.A. List Price	Insert Contacts
D3F	\$3.20	3
D4F	3.30	4

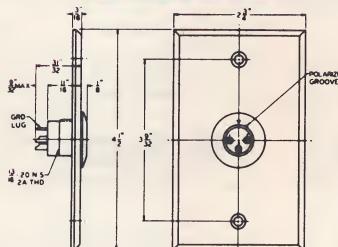


D(*)M RECEPTACLE



Male receptacle for chassis or panel mounting. Specially designed rectangular flange permits close mounting on crowded panels.

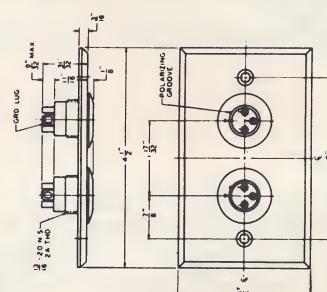
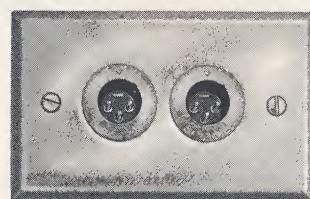
Part No.†	U.S.A. List Price	Insert Pins
D3M	\$1.90	3
D4M	2.00	4

G(*)M TYPE
WALL PLATE RECEPTACLE

Single gang wall plates with a B(*)M 3 or 4-pin male receptacle mounted in "D" shaped hole to prevent turning. Fits standard electrical outlet box.

Part No.	U.S.A. List Price	Finish	Insert Pins
G3M	\$4.50	Brass	3
G3MS	5.00	Stainless Steel	3

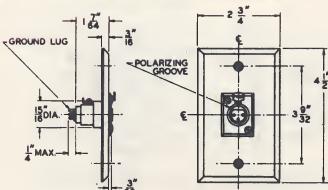
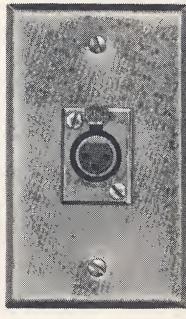
Part No.	U.S.A. List Price	Finish	Insert Pins
G4M	4.75	Brass	4
G4MS	5.25	Stainless Steel	4

H(*)M TYPE
WALL PLATE RECEPTACLE

Two gang wall plate with two B(*)M 3 or 4-pin male receptacle mounted in "D" shaped holes to prevent turning. Mounts in standard electrical outlet box (single).

Part No.	U.S.A. List Price	Finish	Insert Pins
H3M	\$6.50	Brass	3
H3MS	7.00	Stainless Steel	3

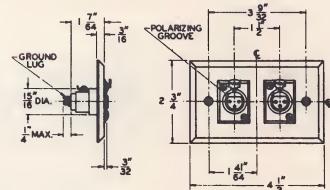
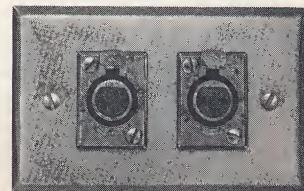
Part No.	U.S.A. List Price	Finish	Insert Pins
H4M	7.00	Brass	4
H4MS	7.50	Stainless Steel	4

J(*)F TYPE
WALL PLATE RECEPTACLE

Single gang wall plate with one D(*)F 3 or 4 contact female receptacle. Mounts in standard electrical outlet box.

Part No.†	U.S.A. List Price	Finish	Insert Contacts
J3F	\$4.70	Brass	3
J3FS	5.20	Stainless Steel	3

Part No.†	U.S.A. List Price	Finish	Insert Contacts
J4F	4.95	Brass	4
J4FS	5.45	Stainless Steel	4

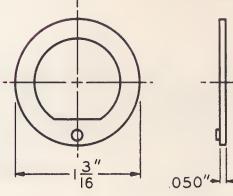
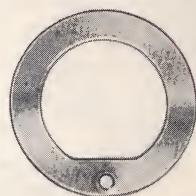
K(*)F TYPE
WALL PLATE RECEPTACLE

Two gang wall plate with two D(*)F 3 or 4 contact female receptacles. Mounts in standard electrical outlet box (single).

Part No.†	U.S.A. List Price	Finish	Insert Contacts
K3F	\$6.90	Brass	3
K3FS	7.40	Stainless Steel	3

Part No.†	U.S.A. List Price	Finish	Insert Contacts
K4F	7.40	Brass	4
K4FS	7.90	Stainless Steel	4

Q-G MOUNTING ADAPTER



For use with B3M, or B4M Panel and chassis receptacles. Eliminates necessity of providing a flattened "D" shaped hole in panel to prevent turning of receptacle.

Part No.†	U.S.A. List Price
S-3519	\$0.40

†Standard Distributor Package 10
‡Standard Distributor Package 1

*Number of insert contacts or pins (3 or 4) must be specified to complete Part Number.



Audio Connector Cross Reference Guide & Mating Chart

This Audio Connector Cross Reference Guide and Mating Chart provides you with the correct Switchcraft Audio Connector part numbers for an equivalent to Amphenol and Cannon part numbers. These items are considered electrically equivalent and mechanically similar.

Manufacturer's design and specifications change from time to time, therefore, we suggest a careful check of respective specifications before a substitute is made. Because of this fact, we cannot accept responsibility if products are not always interchangeable.

CROSS REFERENCE GUIDE

Amphenol To Switchcraft		Cannon To Switchcraft	
3-Contact Type	4-Contact Type		
91-853	91-857	A(*)M	XLR(*)-11C A(*)F
91-854	91-858	A(*)F	XLR(*)-12C A(*)M
91-855	91-859	C(*)M	XLR(*)-13 C(*)F
—	—	B(*)M	XLR(*)-14 C(*)M
91-856	91-860	C(*)F	XLR(*)-14N B(*)M
—	—	D(*)F	XLR(*)-31 D(*)F
			XLR(*)-32 D(*)M
			XLR(*)-35 G(*)MS
			†XLR(*)-35-2G H(*)MS
			XLR(*)-36 J(*)FS
			†XLR(*)-36-2G K(*)FS

†Connectors interchangeable; but Switchcraft wall plates are smaller.

MATING CHART

	CANNON												AMPHENOL												SWITCHCRAFT											
	XLR(*)-11C	XLR(*)-12C	XLR(*)-13	XLR(*)-13N	XLR(*)-14	XLR(*)-14N	XLR(*)-15	XLR(*)-31	XLR(*)-32	XLR(*)-35	XLR(*)-35-2G	XLR(*)-36	XLR(*)-36-2G	XLR(*)-42	†91-853 or #91-857	†91-854 or #91-858	†91-855 or #91-859	†91-856 or #91-860	A(*)F	A(*)M	B(*)M	C(*)F	C(*)M	D(*)F	D(*)M	G(*)M	G(*)MS	H(*)M	H(*)MS	J(*)F	J(*)FS	K(*)F	K(*)FS			
XLR(*)-11C	•		•	•	•	•									•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•				
XLR(*)-12C	•	•	•	•												•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•			
XLR(*)-13	•																•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
XLR(*)-13N	•																	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
XLR(*)-14	•																	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
XLR(*)-14N																		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
XLR(*)-15																		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
XLR(*)-31																		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
XLR(*)-32																		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
XLR(*)-35																		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
XLR(*)-35-2G																		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
XLR(*)-36																		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
XLR(*)-36-2G																		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
XLR(*)-42																		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
†91-853 or #91-857																		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
†91-854 or #91-858																		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
†91-855 or #91-859																		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
†91-856 or #91-860																		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
AC(*)F		•																•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
AC(*)M		•	•	•														•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
BC(*)M		•																•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
CC(*)F		•																•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
CC(*)M		•																•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
DC(*)F		•																•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
DC(*)M		•																•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
GC(*)M		•																•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
GC(*)MS		•																•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
H(*)M		•																•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
H(*)MS		•																•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
J(*)F		•																•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
J(*)FS		•																•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
K(*)F		•																•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
K(*)FS		•																•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	

*Number of insert contacts or pins must be specified (3 or 4) on Switchcraft and Cannon connectors to complete number and to assure proper selection of mating connectors.

†Amphenol 3 contact or pin connector

‡Amphenol 4 contact or pin connector



SERIES 2500

Microphone Connectors

MATERIAL SPECIFICATIONS:

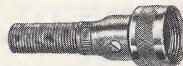
Shell and Coupling Ring: Bright nickel plate over accurately machined brass.

Cord Protector Spring: Cadmium plated spring steel wire.

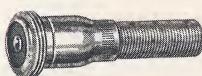
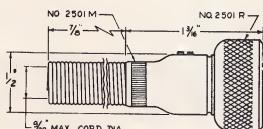
Insulation: XXXP paper base phenolic.

Eyelet: Hot tinned brass.

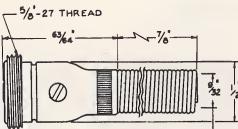
CORD PLUGS



2501F



2501M



PART NO.

2501F

U.S.A. LIST
PRICE

\$0.65

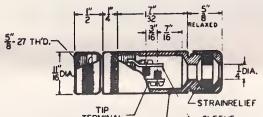
DESCRIPTION

Straight female cord plug, single contact with coupling ring. Threaded end of coupling ring engages threaded end of male cord plug or receptacle.

CORD PLUGS with Screw Terminals



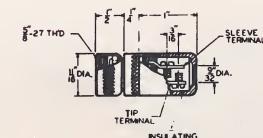
2501FL



2501FL



2501FS

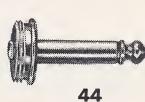


2501FS

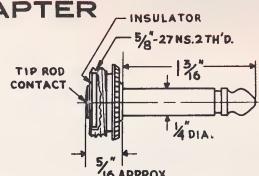
2.50

Straight female cord plug with convenient screw terminals. Two piece shielded handle is easily removed to expose screw terminals. Built-in cable clamp provides superior strain relief.

PHONE PLUG ADAPTER



44



44

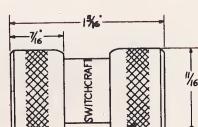
0.55

2-cond. phone plug adapter. Adapts to 2501F to fit standard 2-cond. phone jacks.

COUPLERS



2501FT



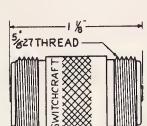
2501FT

1.25

Double female coupler for connecting two cables with male connectors (2501M). Shielded.



2501MT



2501MT

1.25

Double male coupler for connecting two cables with female connectors (2501F). Shielded.

Standard Distributor Package 10.

Switchcraft microphone connectors are designed for use with single conductor microphone cable. They are used widely on microphones, amplifiers, transmitters, tape recorders, headphones, public address and industrial communication equipment.

These shielded cable connectors feature a flexible "Cord Protector Spring" assembled into the body. Shielded braid of cable can be bent over protector spring and soldered to provide a strain relief. Spring and braid of cable is then clamped into the body of the connector by the hollow point set screw.

The flexible 2501F female connector can be used as a male connector by simply unscrewing the coupling ring and slipping it back over the connector shell and cable. *Switchcraft also offers the Series 2500 connector molded directly to the cable. Request Catalog M-701.*



MICROPHONE RECEPTACLES



2501MP



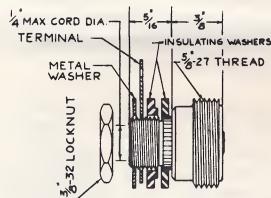
2501MBL



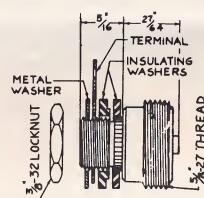
2501MPF

Male single contact panel and chassis receptacles. **Part Nos. 2501MP and 2501MPC** mount in .385" dia. holes. For insulated mounting use washers as furnished— $\frac{1}{2}$ " dia. mounting hole required. **Part No. 2501MBL** is designed for applications requiring receptacle circuit to be insulated from mounting panel or chassis. Mounts on $1\frac{1}{8}$ " centers in $\frac{7}{8}$ " dia. hole. Can be fastened to chassis with rivets or No. 5 screws. **Part No. 2501MPF** features **Press-Fit** mounting which eliminates need of mounting hardware. Mounts in $\frac{3}{8}$ " dia. hole, on $\frac{7}{8}$ " centers. All receptacles mate with Switchcraft No. 2501F connector.

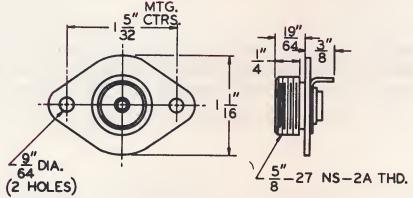
DESCRIPTION	U.S.A. LIST PRICE	PART NO.
Panel receptacle, single contact male type.	\$0.50	2501MP
Panel receptacle, closed circuit, male type.	.60	2501MPC
Panel receptacle, single contact male type. Phenolic flange for insulated panel mounting.	.60	2501MBL
Panel receptacle, single contact male type. Press-fit mounting in chassis or metal panel.	.50	2501MPF



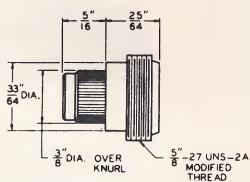
2501MP



2501MPC



2501MBL



2501MPF

Standard Distributor Package 10.

SERIES 5500

"Mini-Con" Connectors

MATERIAL SPECIFICATIONS:

Shell and Coupling Ring: Bright nickel plated brass—accurately machined.

Cord Protector Spring: Cadmium plated spring steel wire.

Insulator: XXXP paper base phenolic.

Eyelet: Hot tinned brass.

Hardware: For insulated washers see Catalog H-602.

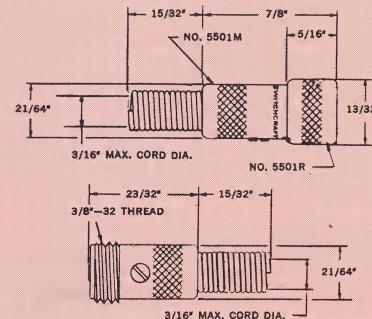
Packaging: 10 per standard distributor package.

Miniature connectors designed for use with miniaturized audio equipment. Approximately $\frac{1}{2}$ the size of Switchcraft microphone connectors (Series 2500). Average net weight $\frac{1}{2}$ oz. Ideal for lapel microphones, musical instruments, etc.—wherever small cable is used—accepts single conductor cable (single conductor and a shield) up to $\frac{1}{8}$ " dia. Rugged body and coupling ring accurately machined from brass, bright nickel plated. Coupling ring of **Part No. 5501F** is removable for quick change of female to male type connector. Braid of cable can be soldered to spring. Spring is clamped into body by hollow point set screw.

CORD PLUGS



5501F



U.S.A. LIST PRICE	PART NO.
\$0.65	5501F
.50	5501M

DESCRIPTION

Straight female type cord plug, single contact, coupling ring.

Straight male type cord plug, single contact.

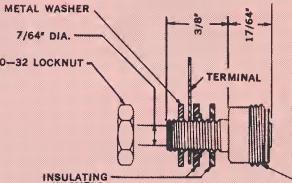
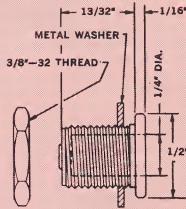
RECEPTACLES



5501 MF



5501 MP



DESCRIPTION

Panel receptacle, single contact male type. Mounts by locknut front side of panel. Mounts in $\frac{3}{8}$ " dia. hole. Insulated mounting uses S-1028 and S-1029 insulating washers (not furnished); requires $\frac{7}{16}$ " dia. mounting hole.

U.S.A. LIST PRICE	PART NO.
.50	5501MF

Panel receptacle, single contact male type. Mounts in $\frac{3}{8}$ " dia. hole. For insulated mounting use insulating washers (furnished); requires $\frac{1}{4}$ " dia. mounting hole.

U.S.A. LIST PRICE	PART NO.
.40	5501MP

Same as 5501MP, except shorting type.

U.S.A. LIST PRICE	PART NO.
.80	5501MPC



SERIES 2504

"Slim-Line" Connectors**MATERIAL SPECIFICATIONS:**

Shell and Coupling Ring: H.H. Brass, bright nickel plated.
Barrel and Insert Assembly: High impact thermo-plastic.
Pin Contacts: Brass, silver plated.
Socket Contacts: Phosphor bronze, silver plated.
Cord Protector Spring and Cable Clamp: Steel, cadmium plated.
Mounting Hardware: Supplied with lock washer No. P-1834, flat washer No. S-3727 and hex nut No. P-1648. Steel, cadmium plated.
Packaging: 10 per standard distributor package.

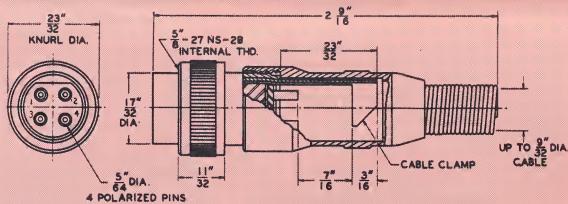
"Slim-Line" connectors are designed to enhance the appearance of your equipment as well as meet the critical specifications of the audio and communications fields. These small-size connectors are ideal for use on equipment where space is limited. Handle of No. 2504M plug is easily removed for quick cable installation. Built-in husky cable clamp provides a superior strain relief. Large solder-cups speed cable assembly. Barrel of No. 2504M is molded of high impact thermo-plastic for greater strength and low electrical leakage. Receptacles Nos. 2504FP and 2504FR require less of your valuable panel space, mount in $1\frac{1}{8}$ " dia. hole or in "D" shaped hole to prevent receptacle from turning in panel.

"Slim-Line" connectors feature polarized "D" shaped pin and socket contact assemblies for proper mating every time.

Switchcraft also offers the "Slim-Line" Plug, No. 2504M molded directly to the cable. Request Bulletin No. E-523.

CORD PLUG

2504M



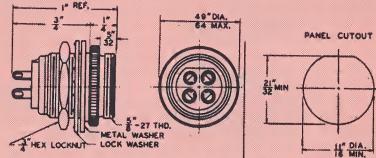
Straight, 4-pin male cord plug. Mates with 2504FP and 2504FR receptacles. Shielded.

Part No. 2504M

U.S.A. List Price \$2.50

RECEPTACLES

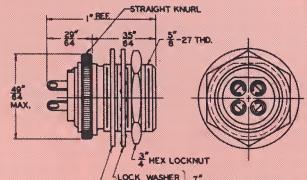
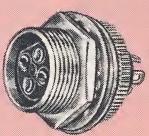
2504FP



4-contact, female type panel or chassis mounted receptacle. For front of panel mounting, hex nut locks from back side of panel. Mounts in $1\frac{1}{8}$ " to $7\frac{1}{2}$ " thick panel in $1\frac{1}{8}$ " dia. hole or $1\frac{1}{8}'' \times 2\frac{1}{2}''$ "D" hole for non-turn mounting. Shielded.

Part No. 2504FP

U.S.A. List Price \$2.50



2504FR

4-contact, female type panel or chassis receptacle for back of panel mounting. Mounts in $1\frac{1}{8}$ " to $7\frac{1}{2}$ " thick panel in $1\frac{1}{8}$ " dia. hole or $1\frac{1}{8}'' \times 2\frac{1}{2}''$ "D" hole for non-turn mounting. Shielded.

Part No. 2504FR

U.S.A. List Price \$2.50

SERIES 3500

Phono Jacks & Phono Plugs**PACKAGING:**

Part Nos. 3502 and 3503: 10 per Standard Distributor Package.

Part Nos. 3501FP, 3501FR, 3508-1, 3508-2 and 3508-5: 25 per Standard Distributor Package.

Part Nos. 3501M, 3501MC and 3501F: 50 per Standard Distributor Package.

Series 3500 Phono Jacks and Plugs are designed to fit most audio/electronic applications. These jacks and plugs are recommended for semi-permanent connections; for applications where considerable use is expected, we suggest the use of Switchcraft "Littel-Jax" phone jacks and "Littel-Plug" phone plugs which are designed for rugged service. Switchcraft also offers the Series 3500 Phono Plugs molded directly to the cable. Request Catalog M-701.

Switchcraft quality in low-cost 2-cond. jacks and plugs for record players, AM-FM tuners, tape recorders, etc.

Part No. 3502, phono plug, features a heavy duty cable clamp and a removable shielded handle. For permanent connections cable should be soldered, however, terminals may be crimped with a pliers for temporary connection. Can be used in multiples even where two jacks are on $\frac{7}{8}$ " centers.

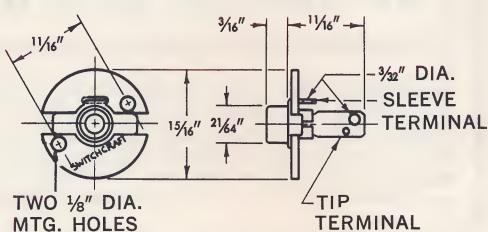
Part No. 3501FP phono jack is designed for front of panel mounting. Only $\frac{7}{8}$ " O.D.—can be mounted on $\frac{1}{2}$ " centers. $\frac{1}{4}$ "-32 thread bushing conveniently assembles in panels up to $\frac{1}{8}$ " thick by tightening a hex locknut. Can be insulated from panel by using No. S-2207 and No. S-1564 insulating washers (not furnished). Will require $\frac{7}{8}$ " diameter mounting hole. Order separately from Catalog H-602.

Part No. 3501FR phono jack, for back of panel mounting with a standard $\frac{5}{8}$ "-32 thread locknut in front. $\frac{7}{8}$ " hex body can be conveniently held by spintite wrench while locknut is tightened. Can be mounted on $\frac{7}{8}$ " centers in panels up to $1\frac{1}{16}$ " thick. Can be insulated from panel using No. S-1028 flat washer and No. S-1029 extruded fibre washer (not furnished). Will require $\frac{7}{8}$ " diameter mounting hole. Order separately from Catalog H-602.



PHONO JACKS

3501F



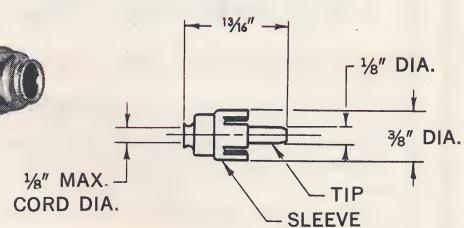
Part No. 3501F

U.S.A. List Price \$0.15

Phono jack, 2-conductor. Phenolic mounting flange.

PHONO PLUGS

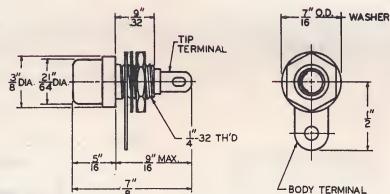
3501M



Part No. 3501M

Phono Plug, 2-conductor.

U.S.A. List Price \$0.10

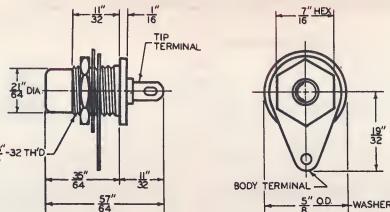


3501FP

Part No. 3501FP

U.S.A. List Price \$0.35

Phono jack, 2-conductor. For front of panel mounting. Hex nut attached on back side of panel eliminates unauthorized tampering.



3501FR

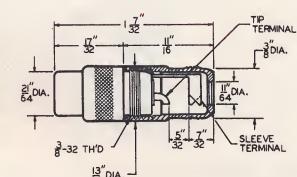
Part No. 3501FR

U.S.A. List Price \$0.45

Phono jack, 2-conductor. For back of panel mounting. Mounts with standard $\frac{3}{8}$ "-32 thread locknut. $\frac{7}{16}$ " hex body can be conveniently held by spintite wrench while locknut is tightened.

PHONO EXTENSION JACK

3503



Part No. 3503

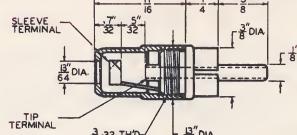
U.S.A. List Price \$0.65

Phono extension jack, 2-conductor. Removable handle, cable clamp. Durable bright nickel plated body and handle. Shielded.

Part No. 3502

U.S.A. List Price \$0.50

Handy Grip Phono Plug. Removable handle exposes terminals. Shielded. Durable bright nickel plated brass body and handle.



3502

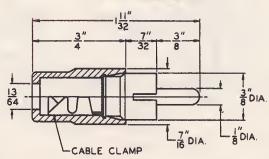
3508-1



3508-2



3508-5



Part No. 3508-1

U.S.A. List Price \$0.25

Phono Plug, 2-conductor. Plastic snap-on color coded handle. Cable clamp. Red handle.

Part No. 3508-2

U.S.A. List Price \$0.25

Same as above, except black handle.

Part No. 3508-5

U.S.A. List Price \$0.25

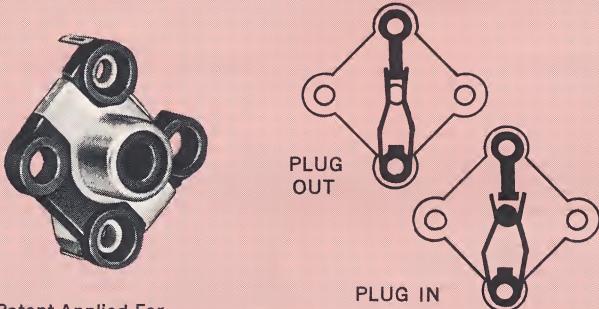
Same as above, except white handle.



4 Leaf Clover Phono Jax

This unique molded phono jack is available in four models: open circuit, grounded or ungrounded; closed circuit, grounded or ungrounded. It offers dual contact surfaces for minimum shunt resistance and greater reliability.

Ideal for use on all types of record players, tape recorders, radios, TV, broadcast and sound recording equipment, etc.



Patent Applied For

OUTSTANDING FEATURES

- New tip spring with shunt that forms a dual contact around the pin of a phono plug upon insertion.
- Molded body of high impact plastic for extra ruggedness.
- Special nickel silver springs for maximum life and dependability.
- High dielectric molded body for low electrical leakage.

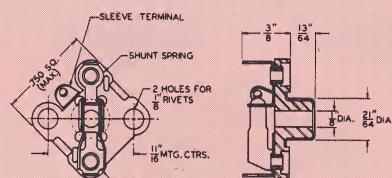
The 4 Leaf Clover Jax have large solder lugs for easy accessibility. Mate with Switchcraft phono plugs Nos. 3501M, 3501MC, 3502, and 3508-1, -2, -5, or any other phono plug with a $\frac{1}{8}$ " dia. pin. Mount on $\frac{3}{4}$ " centers in a $1\frac{1}{2}$ " hole, in panels $1\frac{1}{4}$ " thick. Can be riveted to chassis with $\frac{1}{8}$ " dia. rivets or No. 5 screws. Requires only $\frac{3}{8}$ " depth behind panel.

The precise molded body keys all springs, which are then mechanically locked in place... prevents shifting of parts and shorting. Springs are stamped from accurate dies, requires no hand adjusting.

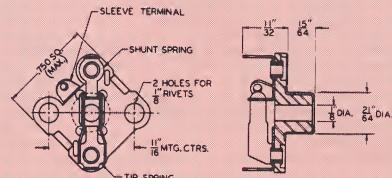
PART NO.	U.S.A. LIST PRICE	DESCRIPTION
3511	\$0.30	Open circuit jack with insulated shell.
3511A	.30	Open circuit jack with grounded shell.
3512	.35	Closed circuit jack (shunt spring to tip) with insulated shell.
3512A	.35	Closed circuit jack (shunt spring to tip) with grounded shell.

Standard Distributor Package 25

CLOSED CIRCUIT
PHONO JACK
3512



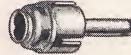
GROUNDING TYPE
CLOSED CIRCUIT
PHONO JACK
3512A



"RF-Jax" & "RF-Plugs"

Switchcraft quality phono connectors have nylon insulation, making them ideal for radio frequency applications where a semi-permanent, moderate power connector is needed. Perfect for applications where space and cost are at a premium. "RF-Jax" and "RF-Plugs" have been used successfully to carry 1,000 watts at 30 mc.

"RF-PLUGS"



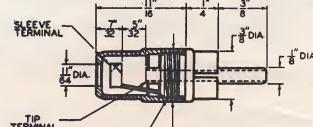
3504M

"RF-Plug", 2-conductor phono plug, nylon insulation.

Part No. 3504M

U.S.A. List Price \$0.20

Standard Distributor Package 50



3507

"RF-Plug", 2 conductor phono plug with screw-on handle. Nylon insulation. Mates with No. 3505F RF-Jax. Bright nickel plated brass body and handle. (OEM Accounts! Switchcraft can mold the RF-Plug to RG-cable. Your inquiries are invited.)

Part No. 3507

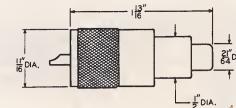
U.S.A. List Price \$0.80

Standard Distributor Package 10

RF-ADAPTER CONNECTOR



3506



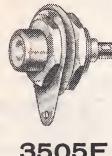
RF-ADAPTER CONNECTOR. Coax connector, similar to Amphenol No. 83-1SP on one end to an RF-JAX, No. 3505F on the other end. Many amateur and commercial radio frequency transmitters and RF-test equipment now use a jack such as the No. 3505F. However, many of the antenna accessories available accommodate the standard RF-Connector. This adapter has been designed to interconnect such equipment.

Part No. 3506

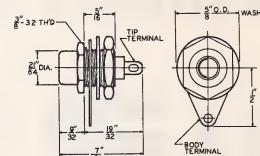
U.S.A. List Price \$2.25

Standard Distributor Package 1

"RF-JAX"



3505F



RF-PHONO JAX. For front of panel mounting. Hex nut is attached on back side of panel eliminating possible tampering. Nylon insulation minimizes "loss" and affords maximum insulation resistance. Mounts with a $\frac{1}{8}$ "-32 thread locknut on back; $\frac{1}{8}$ " hex body can be conveniently held by spintite wrench while locknut is tightened. Can be mounted on $\frac{3}{8}$ " centers in panels up to $1\frac{1}{4}$ " thick. Mates with Nos. 3504M or 3507 RF-Plugs.

Part No. 3505F

U.S.A. List Price \$0.60

Standard Distributor Package 10



Y-Connectors

Unique die-cast design results in light weight adapters that make it possible to connect two cables (with standard microphone or phono connectors) in parallel to a single connector. Durable, attractively finished housing harmonizes with mating connectors.

Packaging: 5 to Standard Distributor Package.

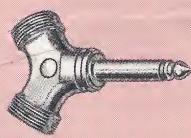
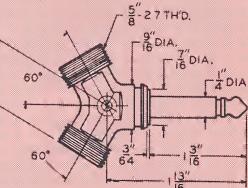


25Y

Connects 2 cables with standard microphone connectors such as Switchcraft No. 2501F in parallel to a single connector. Casting pleasingly finished, harmonizes with mating connector such as Switchcraft No. 2501M. Completely shielded.

Part No. 25Y

U.S.A. List Price \$2.10



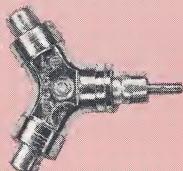
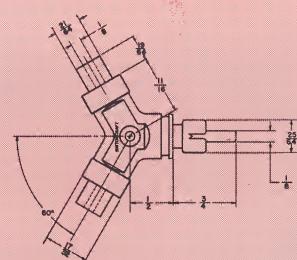
330M

Connects 2 cables (with standard microphone connectors) such as Switchcraft No. 2501M in parallel to a standard 2-cond. Phone Plug. Completely Shielded.

Part No. 330M

U.S.A. List Price \$2.25

Standard Distributor Package 5

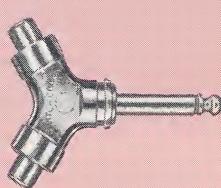


330F

Connects 2 cables (with standard phono plugs) such as Switchcraft Nos. 3501M and 3501MC in parallel to a standard phono plug. Completely Shielded.

Part No. 330F

U.S.A. List Price \$1.95



330PJ

Connects 2 cables (with standard phono plugs) such as Switchcraft Nos. 3501 and 3501MC to a standard 2-cond., phono plug. Shielded.

Part No. 330PJ

U.S.A. List Price \$2.25

AC Receptacles

Switchcraft's broad experience in the design and manufacture of jacks, plugs and connectors facilitated the development of a new, unique AC receptacle with high quality and reliability never before attained.

MATERIAL SPECIFICATIONS:

Shell: Steel, cadmium plated, chromate dipped.

Pins and Terminals: Brass, silver plated, chromate dipped to resist tarnishing.

Insulation: Paper base phenolic.

Packaging: 5 to standard distributor package.

Switchcraft AC receptacles are highly dependable components for safe usage in all critical electrical/electronic applications. "Chassis hugging" recessed type mounting fits all types of equipment. Each AC receptacle, **Part Nos. AC3**, ungrounded; **AC3G**, grounded—includes a self-aligning feature which allows movement of pins **No. 1** and **No. 3** in the shell to take up any slight off-centering of the plug contact locations. The center pin, **No. 2**, is stationary and acts as a guide. Receptacles mate with Belden type PH-104, 3-contact connector and cord set No. 17258, or equivalents. Switchcraft AC receptacles are listed as approved by Underwriters' Laboratories.

RECEPTACLE

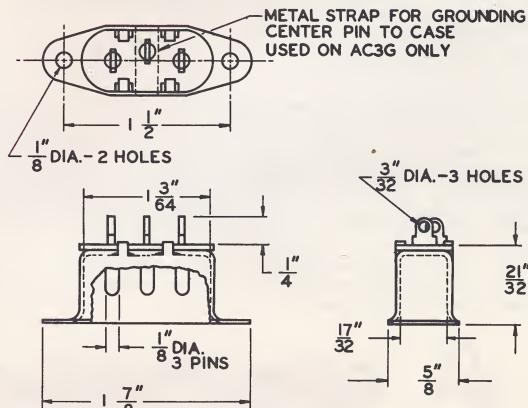


AC3

PART NO.	U.S.A. LIST PRICE
AC3	\$0.80

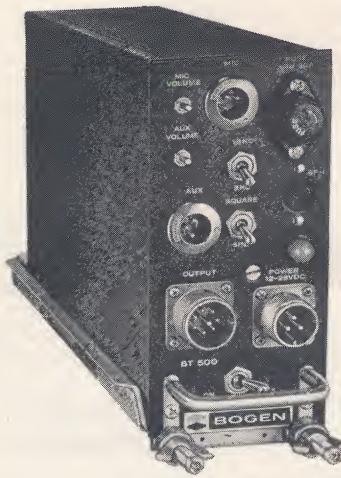
DESCRIPTION
3-Pin AC Receptacle, ungrounded.
Rating: 115V, 7 Amps.

AC3G .75 3-Pin AC Receptacle. Center pin grounded to case. Rating: 115V, 7 Amps.



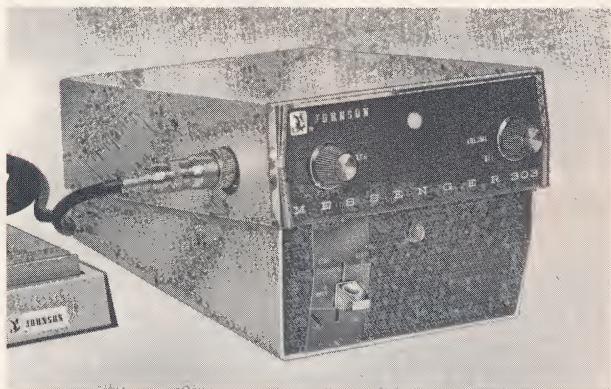
These Quality Conscious Equipment Manufacturers Specify Switchcraft Audio Connectors

Switchcraft quality audio connectors have been field proven in a variety of demanding applications, such as: power amplifiers, microphones, test equipment, instrumentation and stereo/hi-fi equipment.



Manufactured by Lear Siegler, Inc., Bogen Communications Division, Paramus, New Jersey

To meet rugged operational requirements of extended shock and vibration without failure or interruption, Bogen Communications Division of Lear Siegler Corporation, choose two Switchcraft "Q-G" Audio Connectors. Two Part Nos. B3M (labeled MIC and AUX) were selected for the critical input connectors of the compactly built high-power, high-gain Bogen BT-500 P.A. amplifier. These "Q-G" receptacles provide shielded input connections for high and low impedance sources of audio signals. Complete details on all "Q-G" connectors appear on pages 2, 3, 4 and 5.



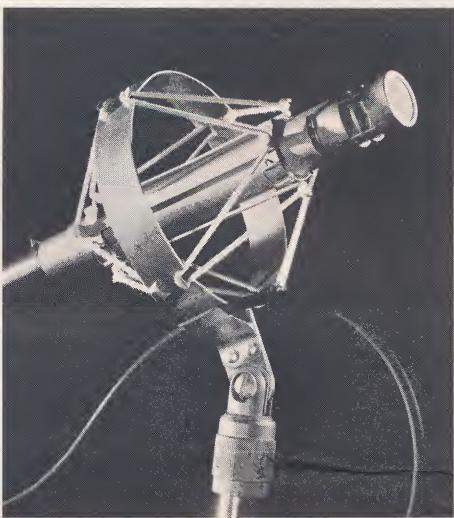
Manufactured by E. F. Johnson Company, Waseca, Minnesota

In selecting component parts for the Messenger 303, a compact, lightweight two way transceiver, E. F. Johnson Company design engineers wanted rugged components that would withstand severe and continual usage. To meet these exacting requirements, Switchcraft two conductor Series 2504 microphone connectors were specified. These connectors were designed for use on microphones, amplifiers, transmitters, and industrial and commercial communications equipment. See page 6 for detailed information on all Series 2504 connectors.



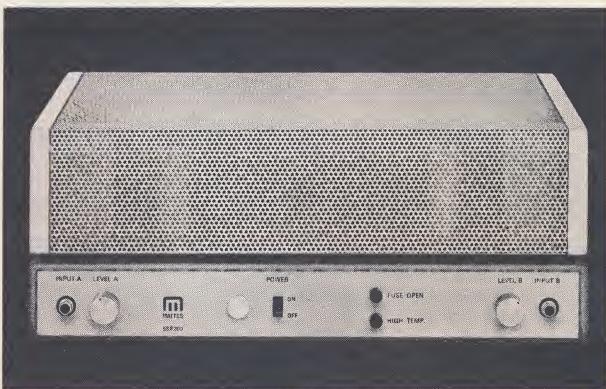
SWITCHCRAFT
INC.

The four products shown below merely highlight a few applications areas where Switchcraft audio connectors met the manufacturer's critical specifications.



Manufactured by Syncron Corporation, Wallingford, Connecticut

Shown above is the Syncron S-10 Solid State Condenser Microphone which uses a Switchcraft A4F "Q-G" connector. In this application the connector acts as an off-on switch for the microphone which has no external power supply. The Switchcraft A(*)F connectors have a rugged latchlock which holds the connector securely to the microphone or a mating connector, yet allows easy removal when necessary.



Manufactured by Mattes Electronics, Inc., Chicago, Illinois

Mattes Electronics choose Switchcraft Series 3500 phono jacks for their new high power, 200-watt SSP/200 stereo amplifier. Four Switchcraft 3501FP phono jacks are used; the two jacks shown on the front panel are for connecting stereo inputs, the two on the rear panel connect high power stereo outputs. These low-cost, two conductor jacks are designed for use as semi-permanent connections where disconnects are frequent. For details on Series 3500 phono jacks see page 9.